

On Line High Frequency UPS KH31 10-20K(L)



Technical Features:

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.8
- Wide input voltage range
- 50Hz/60Hz frequency converter mode
- Supports 3P/1P&1P/1P operation
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Optional maintenance bypass switch



Technical Specifications:

MODEL	KH31-10K (L)		KH31-15K (L)		KH31-20K (L)	
PHASE			3 phase in / 1 phase out			
CAPACITY	10000VA /8000W		15000VA /12000W		20000VA /16000W	
INPUT						
Nominal Voltage			3 x 400 VAC (3Ph+N)			
Input Voltage Range	190-520 VAC (3-phase) @ 50% load		305-520 VAC (3-phase) @ 100% load			
Frequency Range			46-54 Hz or 56-64Hz			
Power Factor			≥ 0.8 @ 100%			
OUTPUT						
Output Voltage			208/220/230/240VAC			
AC Voltage Regulation (Batt. Mode)			± 1%			
Frequency Range (Synchronized Range)			46-54Hz or 56-64Hz			
Frequency Range (Batt. Mode)			50 Hz ± 0.2 Hz or 60 Hz ± 0.2 Hz			
Current Crest Ratio			3:1 (max.)			
Harmonic Distortion			3 % THD (Linear Load) ; 5 % THD (Non-linear Load)			
Transfer Time	AC to DC			zero		
	Inverter to Bypass			zero		
Waveform (Batt. Mode)			Pure Sinewave			
EFFICIENCY						
To AC Mode	91%		91%		91%	
To Battery Mode	91%		91%		91%	
BATTERY						
Standard Model	Battery Type			12V 9AH		
	Numbers	16 -20pcs (Adjustable)				16-20 pcs(Adjustable)*2 strings
	Typical Recharge Time			9 hours recover to 90% capacity		
	Charging Current (max.)	1A ± 10%				1A/2A/4A ± 10%(2A Default)
Long-run Model*	Battery Type			Depending on the capacity of external batteries		
	Numbers					
	Charging Current (max.)			4A Default, 1A/2A/4A(Adjustable)		
	Charging Voltage	218.4 VDC ± 1% (16pcs)		273 VDC ± 1% (20pcs)		
INDICATORS						
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions					
ALARM						
Battery Mode	Sounding every 4 seconds					
Low Battery	Sounding every second					
Overload	Sounding 0.5 second					
Fault	Continuously sounding					
PHYSICAL						
Standard Model	Dimension, DxWxH (mm)	442 x 190 x 688		815 x 250 x 826		
Long-run Model*	Net Weight (kgs)	66		67		125
Standard Model	Dimension, DxWxH (mm)	442 x 190 x 318		575 x 190 x 318		
Long-run Model*	Net Weight (kgs)	15		16		18.95

* L means long-run model

* Product specifications are subject to change without further notice

